

REMARKS

Reconsideration and allowance of this application, as amended, is respectfully requested.

This Amendment is in response to the Office Action dated December 16, 2004. By the present Amendment, the Specification has been amended to delete the reference to the embedded hyperlink, as required in paragraph 1 of the Office Action. Also, the drawing has been amended to show that Fig. 3 includes all of the elements, as indicated by a bracket in the amended Fig. 3. Regarding this, it is noted that Fig. 3 illustrates how a SyncML message is split up and inserted into a plurality of SMS messages in accordance with the invention (e.g., see paragraph [0015]). As such, the arrows shown in Fig. 3 are necessary for illustrating how the different portions of the SyncML message are split up to place into individual SMS messages. This is described, for example, in paragraph [0025]. Accordingly, entry of the replacement drawing to illustrate the concepts discussed in paragraph [0015] and [0025], and removal of the objection to the drawings is respectfully requested.

Also by the present Amendment, the claims have been amended to clarify the invention as will be discussed below.

Briefly, the present invention is directed to an arrangement which allows for the synchronization of data using an arrangement such as SyncML between two terminals (e.g., such as 160 and 150 in Fig. 1) which are remote from each other, particularly when one of the terminals only has short-range communication capabilities (such as the personal server 160 shown in Fig. 1). As noted in paragraph [0006] of the Specification, previous systems synchronizing remote terminals using SyncML have typically used three different transport alternatives for

AMENDMENTS TO THE DRAWINGS

The attached sheet includes changes to Fig. 3. This sheet replaces the original sheet showing Fig. 3. By the present amendment, Fig. 3 has been amended in response to the objection to the drawings set forth in the Office Action.

sending the SynchML messages. These alternatives are HTTP, WFD or OBEX.

However, as noted in paragraph [0007]:

"while each of these alternatives are usable, they all have the same defect, namely, all of these alternatives require the use of a continuous data connection between the mobile device or terminal and the network."

This has been a problem in many instances. In addition, as noted in paragraph [0008], current portable personal servers often only have short range communication capabilities, such as IR, or Bluetooth. As such, present personal portable servers typically are unable to synchronize data with remotely located terminals. Accordingly, the present invention is directed to overcoming this problem.

In particular, the present invention utilizes a terminal, such as the mobile terminal 100 in Fig. 1, which has SMS (Short Message Service) as an intermediary terminal between the terminal having only a short range communication capability (e.g., the personal server 160 of Fig. 1) and the remote terminal (e.g., 150 in Fig. 1).

This is discussed, for example, in paragraph [0010] which states:

"Accordingly, it is an object of the present invention to utilize the short range communication capability of a mobile device or terminal device as a transport mechanism to forward SyncML messages from a source device or terminal device to another terminal device. "

Further, as noted in paragraph [0009], the use of SMS allows for a store and forward service, thus eliminating the requirement for a continuous data connection. Therefore, the present invention does not suffer from the drawbacks of requiring a continuous data connection for synchronization between terminals using, for example SyncML, which has been required in the past.

Reconsideration and allowance of claims 1 to 33, 35 to 38 and 40 to 47, as amended, over the various prior art rejections set forth in the Office Action based on the combination of Kobayashi (USP 6,633,759) and Jokimies (USP 5,353,328) is

respectfully requested, whether considered alone or in combination with one another or the various other cited references to Sutinen (US2002/0161769), Lohtia et al (USP 6,560,456), Alanara et al (USP 6,097,961), Corneliussen et al (US 2004/0048603), Schmidt et al (US2003/0078890) or Winarski (US 2002/0123307). In regard to this, by the present Amendment, each of the independent claims has been amended to clarify the features of the present invention in providing data synchronization between remotely located devices, using the intermediate terminal to convert the data synchronization information into SMS, wherein the communication between the first terminal and the intermediate terminal is done through a short range connection, and wherein the communication between the intermediate terminal and the second terminal is done through a cellular network connection. It is respectfully requested that neither Kobayashi nor Jokimies, whether considered alone or in combination with one another or any of the other cited references, teach or suggest these specific claimed features. Incidentally, it is noted that the secondary reference to Sutinen et al is assigned to the same assignee Nokia Corporation, as the present application (and was commonly assigned at the time of filing of the present application). Inasmuch as the Sutinen et al reference is being used based on the combination of 35 USC §102(e)/103, this document is unavailable as a reference due to the common assignment of the Sutinen et al document and the present application.

With regard to the primary reference to Kobayashi, as recognized in the Office Action, this reference fails to teach the formatting of data to be synchronized into an SMS message and an intermediate terminal device. As such, Kobayashi lacks a fundamental feature of the present invention, that is, the reformatting of the

synchronization data into an SMS message. In addition, Kobayashi fails to teach or suggest the synchronization between two remotely located data terminals, wherein one of the data terminals transmits to an intermediate device through a short range connection while the intermediate device transfers to the second remotely located terminal through a cellular network connection.

In the Office Action, the reference to Jokimies is used for teaching the use of a mobile phone for converting received data into SMS for transmitting. Jokimies is directed to a data adapted for a mobile phone which provides an arrangement to convert received data into the SMS format to enable the phone to be used for receiving/transmitting data messages other than normal SMS messages. However, again, Jokimies gives no suggestion whatsoever for an arrangement to provide data synchronization between a first terminal having only a short-range communication link and a remote terminal using an intermediate terminal to convert the data to be synchronized into an SMS message. Therefore, it is respectfully submitted that, even if Jokimies and Kobayashi were combined, the resulting combination would still fail to teach or suggest the present claimed invention.

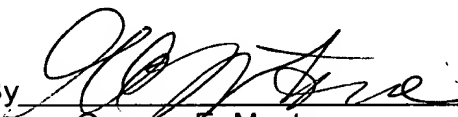
With regard to the various secondary references, although these are of general interest to various isolated features, it is noted that none of them teach or suggest anything that would overcome the basic shortcomings in Kobayashi and Jokimies, or the combination thereof, discussed above. Therefore, it is respectfully submitted that the amended claims clearly define over the cited prior art, and reconsideration and allowance of the claims, as amended, is respectfully requested.

If the Examiner believes that there are any other points which may be clarified or otherwise disposed of either by telephone discussion or by personal interview, the

Examiner is invited to contact Applicants' undersigned attorney at the number indicated below.

To the extent necessary, Applicants petition for an extension of time under 37 CFR 1.136. Please charge any shortage in fees due in connection with the filing of this paper, including extension of time fees, to the Antonelli, Terry, Stout & Kraus, LLP Deposit Account No. 01-2135 (Docket No. 0171.40169X00), and please credit any excess fees to such deposit account.

Respectfully submitted,
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By 

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Appendix A